



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/075292 A1

- (51) International Patent Classification⁷: **B65B 1/36**
- (21) International Application Number: PCT/SE2005/000162
- (22) International Filing Date: 8 February 2005 (08.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0400282-0 9 February 2004 (09.02.2004) SE
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(81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

- (84) Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG).

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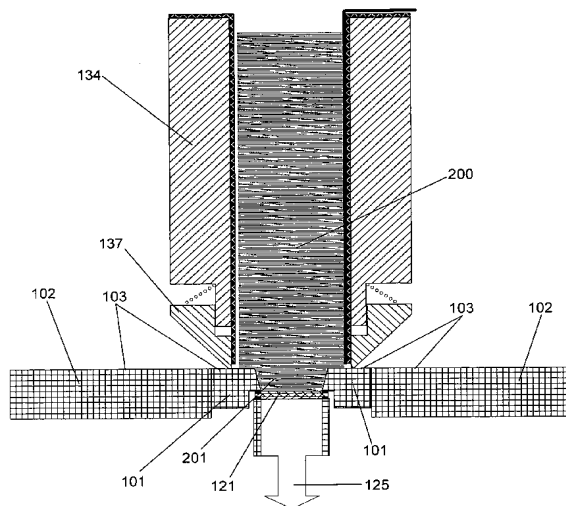
- *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

- (54) Title:** A FEEDING CHAMBER, AN APPARATUS AND A METHOD FOR PRODUCTION OF DOSES OF DRY POWDER, A METHOD FOR CONTROLLING PARTICLE SEGREGATION IN DRY POWDER DURING FILLING



- (57) Abstract:** The invention discloses a method and an apparatus for exact metering and volumetric filling of dry powder medication doses into preformed containers, which are adapted for administration by means of a dry powder inhaler (DPI). The filling apparatus of the invention includes at least a bulk powder source (401), a feeding chamber (134) and a receptacle (110) providing the volume for a specified load mass (202) of dry powder. The bulk powder source releases a portion of powder discontinuously to the feeding chamber, but is disconnected from the feeding chamber and receptacle during the filling operation. The filling apparatus further presents a plane surface (103) in contact with the movable feeding chamber and provides a hard-wearing, low friction coating for reducing dynamic friction and powder retention.